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By: Rene Chincholle, J. Lauliac, & D. Keyser

**From: B71 Bulletin de la Societe Francaise des Electri-
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Order from SLA \$1.60 61-14761

Trans. of Soc[ieté] Française de Minér[alogie et de]
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DESCRIPTORS: *Quartz crystals, Quartz, *Crystal
structure.

A study is presented of the agreement between crystal-
line structure and morphology of ternary quartz. The
absence of the base can be explained by assuming that
the growth units are SiO_2 or Si_2O_4 molecules. The m
prisms and the two x and z rhombohedra are of the P
type. The a (1121) and x (5161) faces are of the S type.
The faces of the trapezohedron (5161) are nearly paral-
lel to the directions, in which the interaction energy of
the P.B.C. is zero. (Author)

(Physics--Solid State, TT, v. 6, no. 1)

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Order from SLA \$1.60 63-16244

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DESCRIPTORS: *Analysis, Temperature, *Minerals,
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Calorimetry.

A description is given of an apparatus for the simul-
taneous tracing of the curves of gravimetric thermal
analysis, differential thermal analysis, and temper-
ature of the sample as a function of time, from a very
small sample (3 mg at most), up to the temperature of
1250 deg C. The analysis can be carried out in a
defined atmosphere or in a controlled gaseous stream.
(Earth Sciences--Mineralogy, TT, v. 10, no. 7) (ovir)

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DESCRIPTORS: *Dolomite, *Calcite, Identification,
Fluorescence, Uranium compounds, Salts, Ammonium
compounds, Phosphates.

A new method of differentiation between calcite and
dolomite is described on the basis of the fact that
calcite acquires a bright fluorescence, when it is
attacked by a solution of uranium salts, after having
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